

1/11

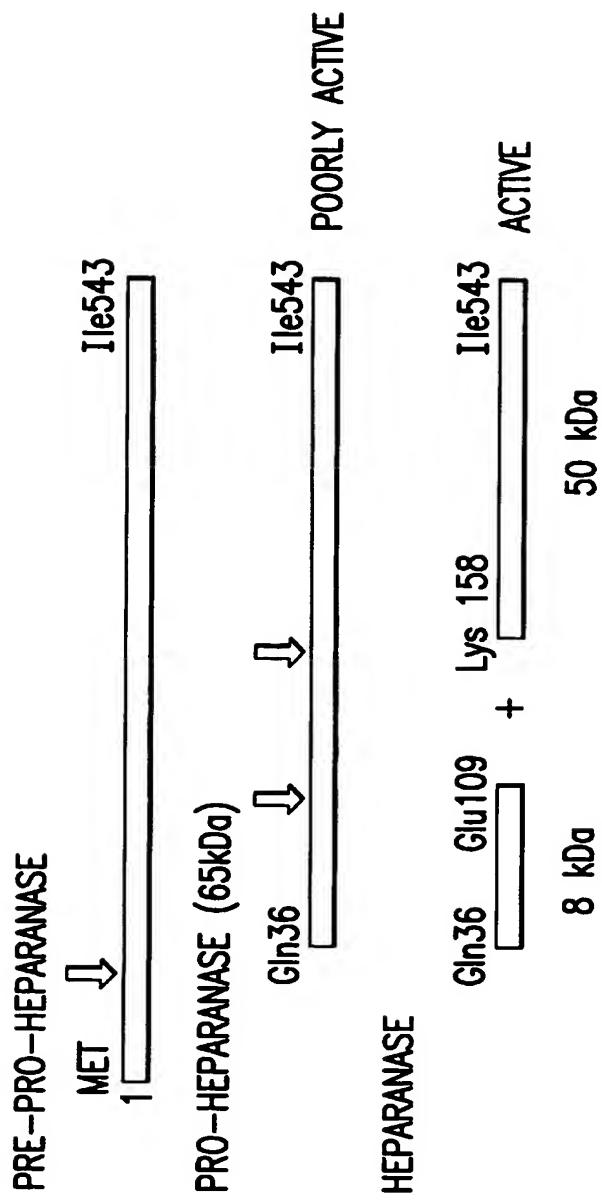


FIG. 1

2/11

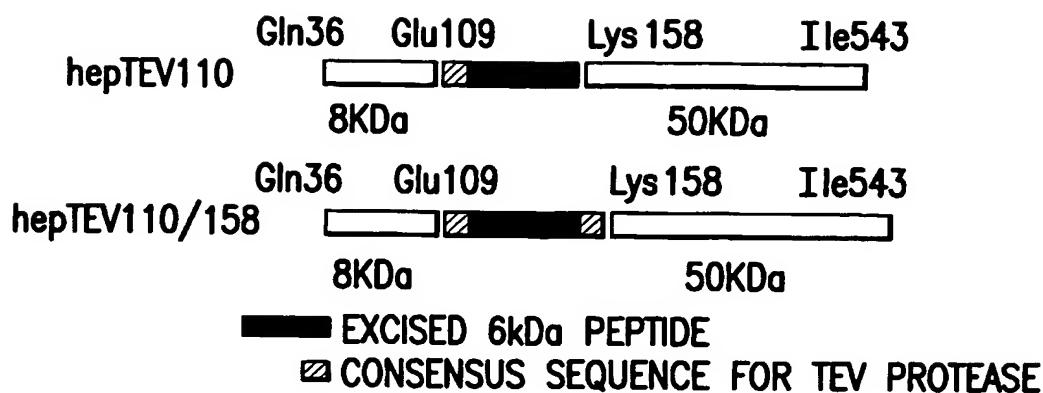


FIG.2A

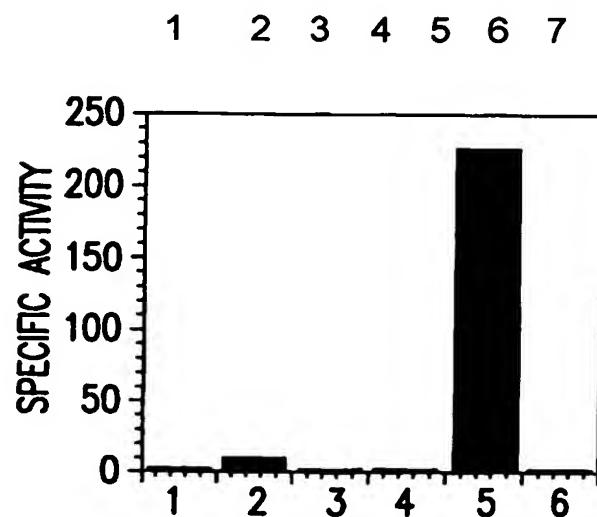


FIG.2B

3/11

| HEPAR_HUMAN    | QDGVVLDLFFQDPLHLVSPSFLSVTIDANLATDPRFLILLGSPKLRTLARGLSPAYLRFGGTKTDFLIF    | 104 |  |
|----------------|--|-----|--|
| HEPAR_MOUSE    | TDDVVLDLFFYTKRLRSVSPSFLSITIDASLATDPRFLTFLGSPRRLARGLSPAYLRFGGTKTDFLIF     | 96  |  |
| HEP_BOSTAURUS  | ADDAEELLEFFTERPLHLVSPPAFLSFTIDANLATDPRFFTFLGSSKLRTLARGLAPAYLRFGGNKGDFLIF | 106 |  |
| HEPAR_GALLUS   | PRRTAELQLGLREPIGAVSPAFSLTLDASLARDPRFVALLRHPKLHTLASGLSPGFRLFGGTSTDFLIF    | 85  |  |
| HELIKE_HUMAN   | EKTLJLLDVSTKNPVRTVNENFLSLQQLDPSIHD-GWLDLFSKRLVTLARGLSPAFLRFGGKRTDFLQF    | 103 |  |
| HELIKE_BM      | VRYFVTINENQ-EDIKLISEDFLSFGDITIEN-YNRINYSDTRIREFAAALSPARLRLGGTMSERLIF     | 99  |  |
| HYALURON_HM    | KNVIASVSESFHG--VAFDASLFSPKGP-----WSFVNITSPLKLFKLIEGLSPGYFRVGGTFANWLFF    | 69  |  |
| BETAGLUCOR_SB  | NYVCATDLWPPTKCNYGNCNPWGKSS--FLNDLNNNIIRNAVKFAPPLKLRFGGTQDRLWY            | 114 |  |
| ARAB_NP_196400 | NFVCATDLWWPHDKCNYDQCPWGYSS--VINMDLTTRPLLTKAIAKFPLRIGGSLQDQVIV            | 105 |  |
| ARAB_NP_851093 | DFICATDLWWPKCNYDQCPWGYAS--JILNDLNNVILQNAIKAFAPLKIRIGGTQDQIVY             | 106 |  |
| ARAB_NP_200933 | NFICATDLWWPKCNYDQCPWGYAS--LINLNLASPLAKAIQAFRTLRIGGSLQDQVIV               | 103 |  |

|       |                              |                               |                               |       |  |  |  |  |
|-------|------------------------------|-------------------------------|-------------------------------|-------|--|--|--|--|
|       |                              |                               |                               |       |  |  |  |  |
| 105 : | DPKKESTFFE                   | -----ERSYWLQSQVNQDICKYGSIPPDV | -----EKLRLQEMPYQ-EQLLREHYQK   | : 158 |  |  |  |  |
| 97 :  | DPKKEPTSE                    | -----ERSYWLKSQVNHDICRSEPVSAAV | -----LRKLQEMPFQ-ELLLREQYQK    | : 150 |  |  |  |  |
| 107 : | DPKKEPAFE                    | -----ERSYWLSSQSNODICKSGSIPSDV | -----EKLRLQEMPFQ-EQVLLREQYQK  | : 160 |  |  |  |  |
| 86 :  | NPNKDSTM                     | -----EKLRLQEMPFQ-EQVLLREQYQK  | -----EKLRLQEMPFQ-EQVLLREQYQK  | : 138 |  |  |  |  |
| 104 : | QNLRNPAKSRRGGPDYLLKNYEDDIVRS | -----EKFQAK-DIVCFWPSFAVV      | -----PKLLLTQWPLQ-EKLLLAEHWSWK | : 173 |  |  |  |  |
| 100 : | SKENIPISC                    | -----HNCSYKSYPK-SLCQLIEKPCKH  | -----LQREKAQMQHVLVLLKEQFSN    | : 135 |  |  |  |  |
| 70 :  | DLDNNKKW                     | -----KDYWAFK                  | -----KHKFL-                   | : 135 |  |  |  |  |
| 115 : | QTSRD                        | -----EPOD                     | -----DKTPEATITTRWLFRKQ----    | : 101 |  |  |  |  |
| 106 : | DVGNL                        | -----EPOD                     | -----STFYNNNTNLIDFS----       | : 137 |  |  |  |  |
|       |                              | -----KTPOR                    | -----PFQKMNSGLFGFS----        | : 128 |  |  |  |  |
|       |                              |                               | -----PFTKNSILFGYT----         | : 129 |  |  |  |  |
|       |                              |                               | -----QFKKTDDGLFGFS----        | : 126 |  |  |  |  |

FIG. 3A-1

4/11

|                | SEQ ID No.  |
|----------------|---|
| HEPAR_HUMAN    | 159 : KFKNSTYRSSSV <del>D</del> VLYTFANGSGLDLIFGLNALLRTA-----   |
| HEPAR_MOUSE    | 151 : <del>E</del> FKNSTYRSSSV <del>D</del> MLYSFAKCSGGLD <del>L</del> IFGLNALLRTP-----                                     |
| HEP_BOSTAURUS  | 161 : KFTNSTYRSSSV <del>D</del> MLYTFAASCGLNL <del>I</del> FGVNALLRTT-----  |
| HEPAR_GALLUS   | 139 : KHKNNTITRST <del>D</del> ILHTFASSSGFRLV <del>V</del> FGLNALLRRA-----  |
| HELIKE_HUMAN   | 174 : TYSNILTARS <del>D</del> KLYNF <del>A</del> CSGLHLIFALNALLRNP-----   |
| HELIKE_BM      | 136 : --PFIMTGNE <del>W</del> NOINDFCRKTNKLIFSLNAMLR <del>N</del> -----   |
| HYALURON_HM    | 102 : ---NNLKKET <del>F</del> DDLVKLTKGSKMRLLF <del>D</del> LNAA <del>V</del> RTGYE <del>I</del> G-----                     |
| BETAGLUCOR_SB  | 138 : ---HACLSLDRDEINQFILE <del>T</del> TGS <del>E</del> AVFGLNALLRGKTVEIKGIIKD <del>G</del> QYLGETTTAVG <del>E</del> ----- |
| ARAB_NP_196400 | 129 : ---KGCLLHMKRWDDELNSFLTTATGAVVT <del>F</del> GLNALLRGRH-KLRG-----  |
| ARAB_NP_851093 | 130 : ---GGCLPMRRDELNAFRKTGTKV <del>V</del> FGLNNALSGRSIKSNG-----   |
| ARAB_NP_200933 | 127 : ---EGCLYMKRWDEVNHFFNATGAIVTFGLNALLHGRN-KLNG-----  |

3  
↑  
○

FIG. 3A-2

5/11

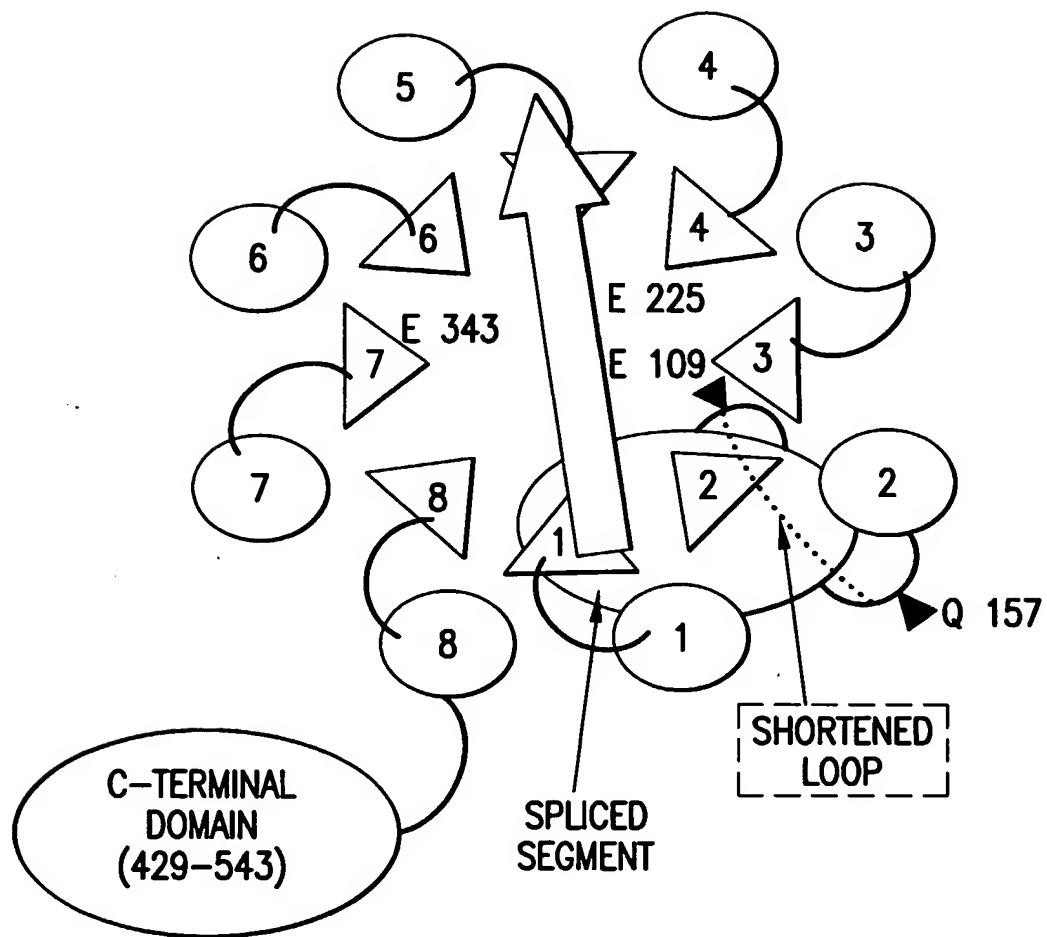


FIG. 3B

6/11

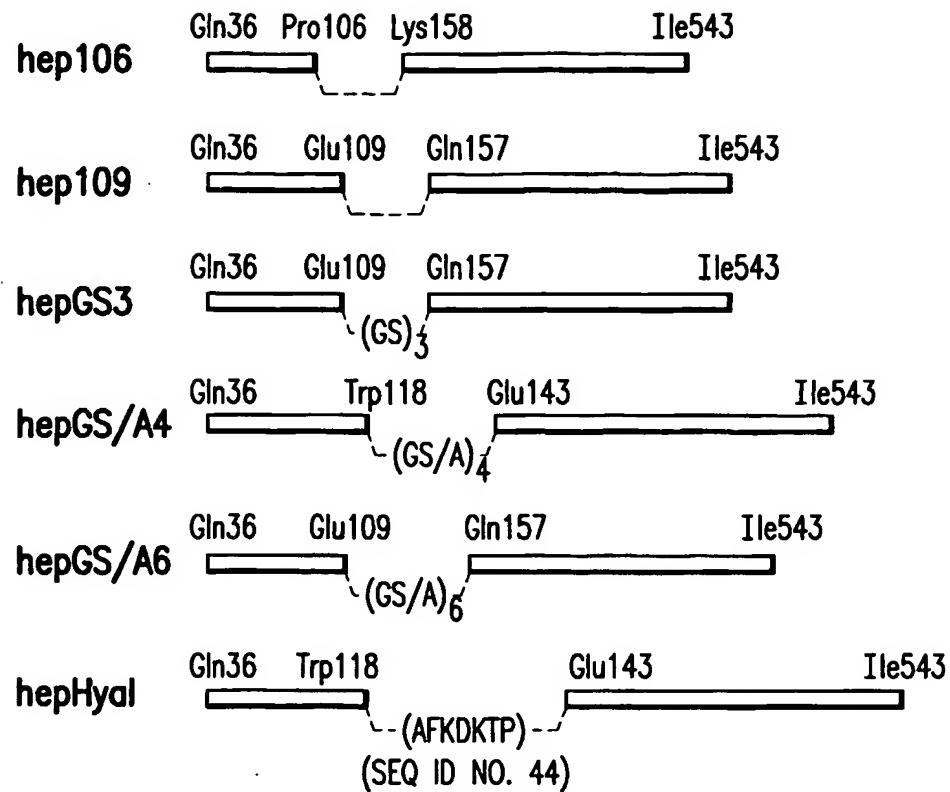


FIG.4A

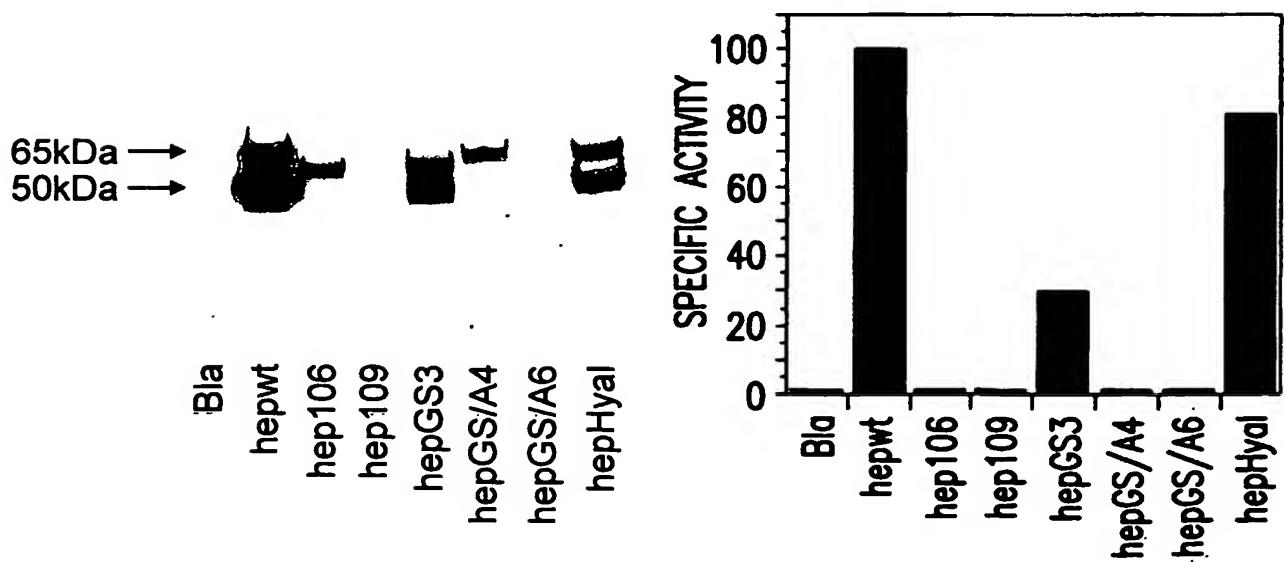


FIG.4B

7/11

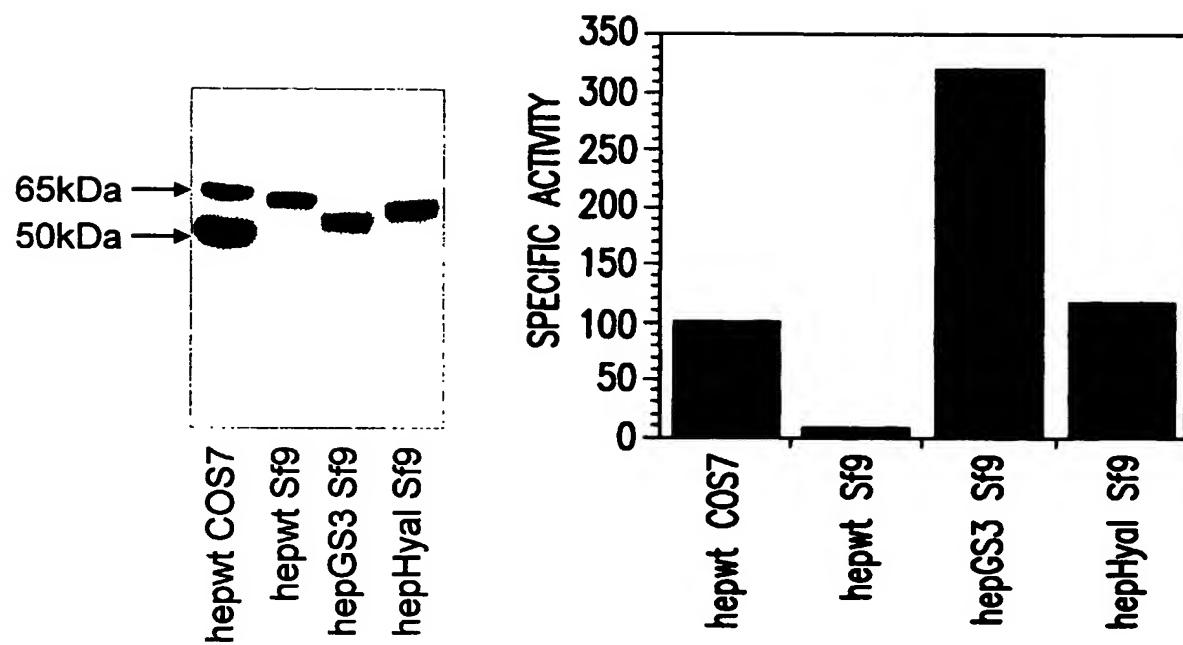


FIG.5

8/11

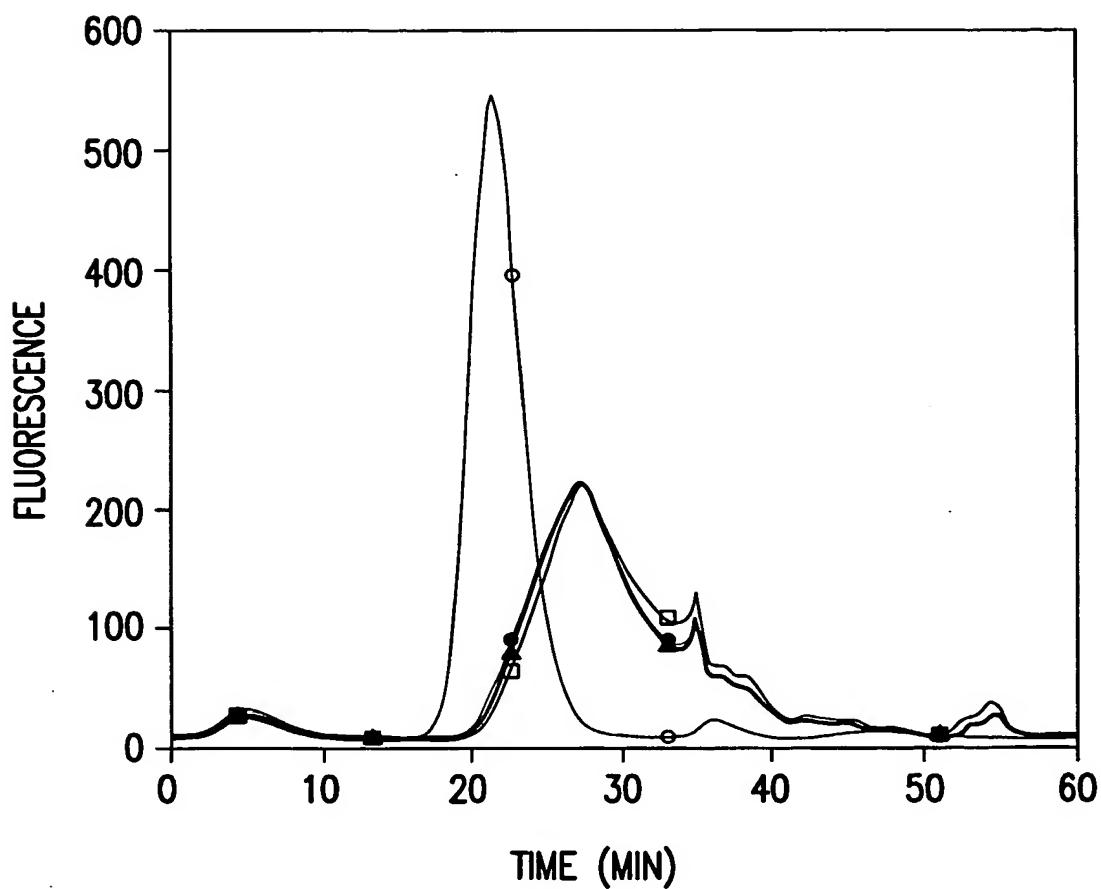


FIG. 6

9/11

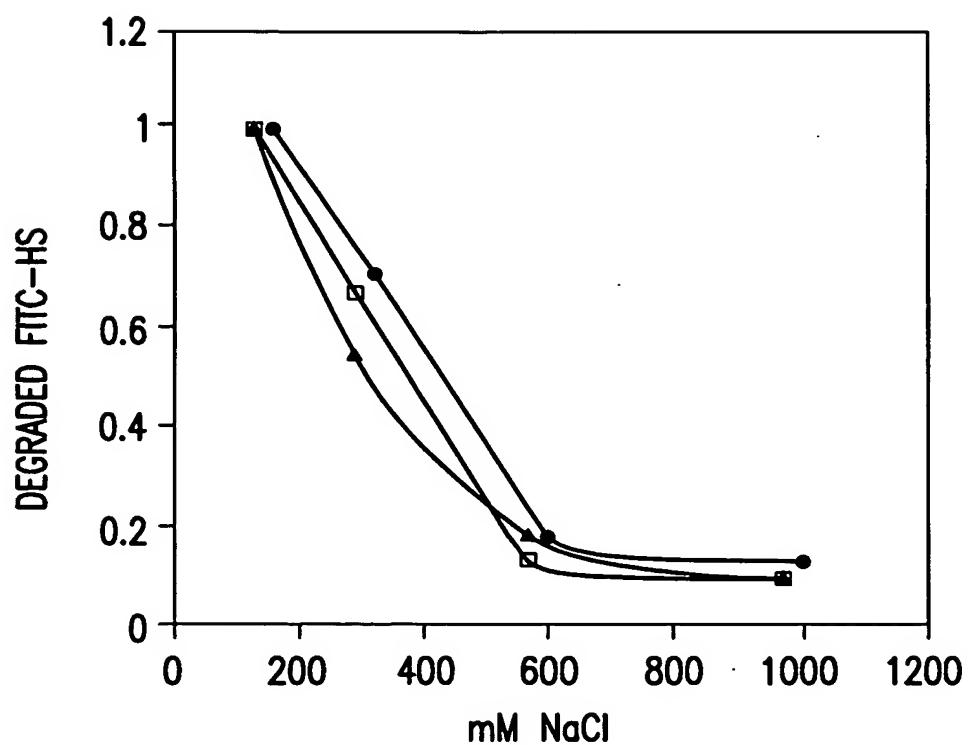


FIG. 7A

10/11

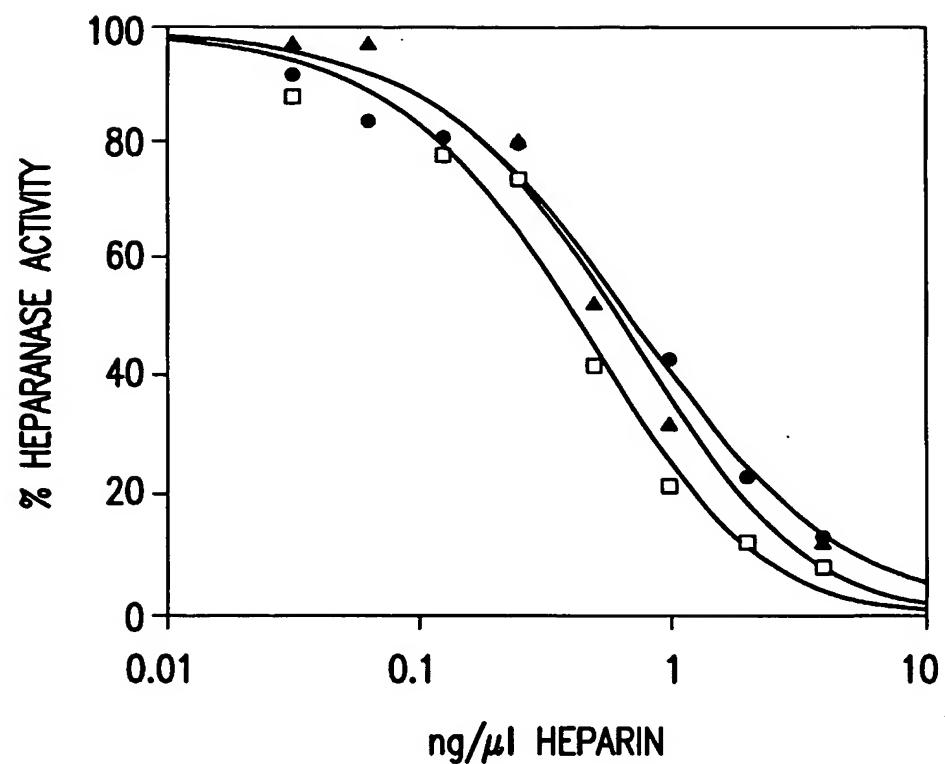


FIG. 7B

11/11

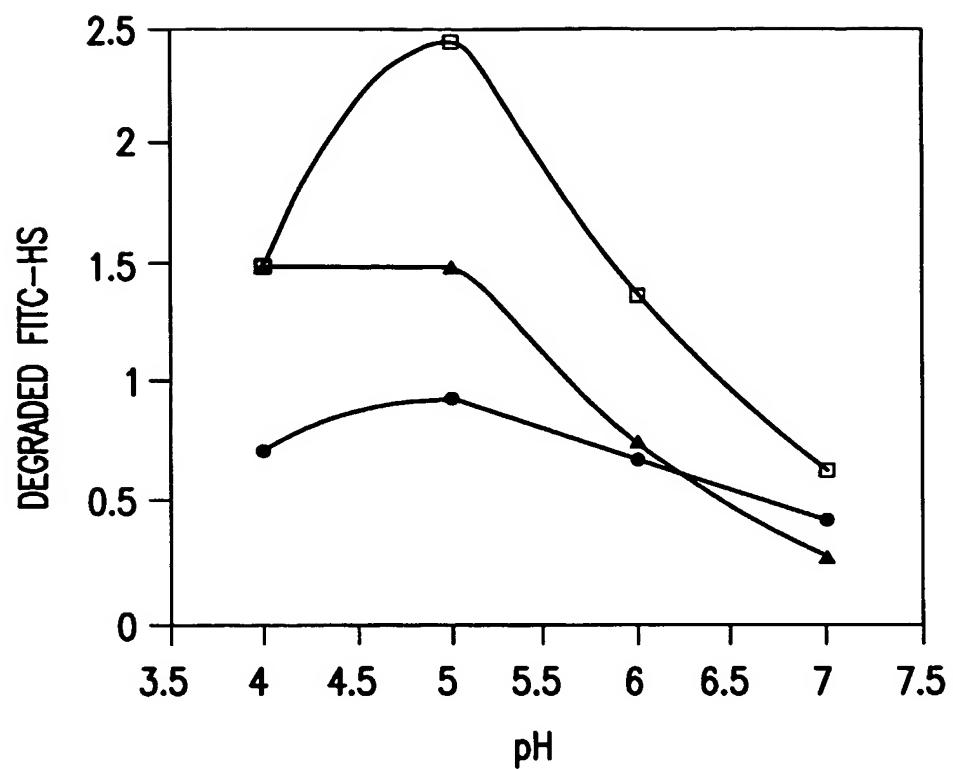


FIG. 7C